

IN THE CLAIMS

Please amend claims 1 and 78 as indicated herein. All claims are reproduced below.

1. (Currently Amended) A multifunction printer for printing time-based media, the multifunction printer comprising:
 - a communication interface for receiving time-based media data from a media source;
 - a processor ~~embedded within the multifunction printer~~ for performing a multimedia function on the time-based media data to automatically identify a portion of the time-based media data to be ~~automatically~~ printed to a tangible medium, the identified portion ~~corresponding~~ based on identification criteria received from a user;
 - a user interface, communicatively coupled to the processor, including:
 - a display, for providing data to the user including a timeline of the time-based media indicating a location of the identified portion along the timeline, the timeline updated responsive to the user changing the identification criteria;
 - an input device, for receiving a selection of the multimedia function from a plurality of selectable multimedia functions and for receiving the identification criteria from the user;
 - a first output device for receiving the identified portion of the time-based media data from the processor and automatically printing the identified portion;
 - and

a second output device coupled to the processor for receiving the identified portion of the time-based media and producing an electronic output including the identified portion of the time-based media.

2. (Previously presented) The printer of claim 1 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.
3. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying audio event detection to the time-based media data.
4. (Previously presented) The printer of claim 3 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.
5. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.
6. (Previously presented) The printer of claim 1 or 5 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.
7. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a sound source localization function to the time-based media data.
8. (Original) The printer of claim 7 wherein the multimedia function further includes applying audio event detection to the time-based media data.
9. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a speech recognition function to the time-based media data.
10. (Previously presented) The printer of claim 9 wherein the multimedia function includes applying a profile analysis function to the time-based media data.

11. (Previously presented) The printer of claim 9 wherein the multimedia function includes applying an audio event detection function to the time-based media data.
12. (Previously presented) The printer of claim 11 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.
13. (Previously presented) The printer of claim 11 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.
14. (Previously presented) The printer of claim 11 wherein the multimedia function further includes applying a sound localization function to the time-based media data.
15. (Previously presented) The printer of claim 1 wherein the multimedia function includes selecting a range of video data in response to received input from the user.
16. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a video event detection function to the time-based media data.
17. (Original) The printer of claim 1 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.
18. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a face detection function to the time-based media data.
19. (Previously presented) The printer of claim 18 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.

20. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a face recognition function to the time-based media data.
21. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
22. (Previously presented) The printer of claim 21 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.
23. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a motion analysis function to the time-based media data.
24. (Previously presented) The printer of claim 1 or claim 23 wherein the multimedia function includes applying a distance estimation function to the time-based media data.
25. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.
26. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.
27. (Previously presented) The printer of claim 26 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
28. (Previously presented) The printer of claim 26 wherein the multimedia function further includes applying a face detection function to the time-based media data.

29. (Previously presented) The printer of claim 26 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
30. (Previously presented) The printer of claim 29 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
31. (Previously presented) The printer of claim 29 wherein the multimedia function includes applying a face detection function to the time-based media data.
32. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.
33. (Previously presented) The printer of claim 32 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.
34. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.
35. (Previously presented) The system of claim 1 wherein the multimedia function includes applying a visual inspection function to the time-based media data.
36. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a compact disc (CD) device.
37. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a digital video disc (DVD) device.

38. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control an audio tape device.
39. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a video tape device.
40. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a multimedia server.
41. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control encryption hardware.
42. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control audio sound localization hardware.
43. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control motion detection hardware.
44. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a MIDI player.
45. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a cellular telephone.
46. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a two-way radio.
47. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a world wide web display.
48. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a climate sensor.

49. (Previously presented) The printer of claim 1 wherein the user interface is configured to allow a user to control a radio receiver.
50. (Previously presented) The printer of claim 1 wherein the processor is further configured to display results of the multimedia function on the display of the user interface.
51. (Previously presented) The printer of claim 1 wherein the second output device is a DVD drive.
52. (Previously presented) The printer of claim 1 wherein the second output device is a CD drive.
53. (Previously presented) The printer of claim 1 wherein the second output device is an audio tape drive.
54. (Previously presented) The printer of claim 1 wherein the second output device is a video cassette device.
55. (Previously presented) The printer of claim 1 wherein the second output device is a removable media device.
56. (Previously presented) The printer of claim 1 wherein the second output device is an embedded audio recorder.
57. (Previously presented) The printer of claim 1 wherein the second output device is an embedded video recorder.
58. (Previously presented) The printer of claim 1 wherein the second output device is a non-volatile storage device.

59. (Previously presented) The printer of claim 1 wherein the second output device is an embedded multimedia server.
60. (Previously presented) The printer of claim 1 wherein the second output device is audio encryption hardware.
61. (Previously presented) The printer of claim 1 wherein the second output device is video encryption hardware.
62. (Previously presented) The printer of claim 1 wherein the second output device is audio sound localization hardware.
63. (Previously presented) The printer of claim 1 wherein the second output device is a cellular telephone.
64. (Previously presented) The printer of claim 1 wherein the second output device is a two-way radio.
65. (Previously presented) The printer of claim 1 wherein the second output device is a world-wide web display.
66. (Previously presented) The printer of claim 1 wherein the second output device is a radio receiver for receiving AM signals.
67. (Previously presented) The printer of claim 1 wherein the second output device is a radio receiver for receiving FM signals.
68. (Previously presented) The printer of claim 1 wherein the second output device is a radio receiver for receiving short wave signals.
69. (Previously presented) The printer of claim 1 wherein the second output device is a satellite radio receiver.

70. (Previously presented) The printer of claim 1 wherein the second output device is a weather alert receiver.
71. (Previously presented) The printer of claim 1 wherein the second output device is an emergency alert monitor for receiving emergency broadcast system alerts.
72. (Previously presented) The printer of claim 1 wherein the second output device is hardware for performing VGA screen captures.
73. (Previously presented) The printer of claim 1 wherein the second output device is hardware for performing audio capture.
74. (Previously presented) The printer of claim 1 wherein the second output device is hardware for capturing data from an electronic pen.
75. (Previously presented) The printer of claim 1 wherein the second output device is a disposable media writer.
76. (Previously presented) The printer of claim 1 wherein the second output device is a flash memory device.
77. (Previously presented) The printer of claim 1 wherein the second output device is a wireless device.
78. (Currently Amended) A method for printing time-based media, the method comprising:
- receiving time-based media data from a media source;
 - receiving a user selection of a multimedia function from a plurality of selectable multimedia functions, the multimedia function including criteria to be applied automatically to time-based media data;

performing, by a multifunction printer, the multimedia function on the time-based media data to automatically identify a portion of the time-based media data to be ~~automatically~~ printed to a tangible medium based on identification criteria received from a user; the portion matching the included criteria;

displaying a representation of the time-based media including a timeline of the time-based media indicating a location of the identified portion along the timeline, the representation updating responsive to the user changing the identification criteria;

~~automatically~~ printing the identified portion of the time-based media data; and producing an electronic output of the identified portion of the time-based media data.

79. (Previously presented) The method of claim 78 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.
80. (Previously presented) The method of claim 78 wherein the multimedia function includes applying audio event detection to the time-based media data.
81. (Previously presented) The method of claim 80 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.
82. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.

83. (Previously presented) The method of claim 78 or 82 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.
84. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a sound source localization function to the time-based media data.
85. (Previously presented) The method of claim 84 wherein the multimedia function further includes applying audio event detection to the time-based media data.
86. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a speech recognition function to the time-based media data.
87. (Previously presented) The method of claim 86 wherein the multimedia function includes applying a profile analysis function to the time-based media data.
88. (Previously presented) The method of claim 86 wherein the multimedia function includes applying an audio event detection function to the time-based media data.
89. (Previously presented) The method of claim 88 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.
90. (Previously presented) The method of claim 88 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.
91. (Previously presented) The method of claim 88 wherein the multimedia function further includes applying a sound localization function to the time-based media data.

92. (Previously presented) The method of claim 78 wherein the multimedia function includes selecting a range of video data in response to received input from the user.
93. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a video event detection function to the time-based media data.
94. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.
95. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a face detection function to the time-based media data.
96. (Previously presented) The method of claim 95 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.
97. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a face recognition function to the time-based media data.
98. (Previously presented) The method of claim 78 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
99. (Previously presented) The method of claim 98 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.
100. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a motion analysis function to the time-based media data.

101. (Previously presented) The method of claim 78 or claim 100 wherein the multimedia function includes applying a distance estimation function to the time-based media data.
102. (Previously presented) The method of claim 78 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.
103. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.
104. (Previously presented) The method of claim 103 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
105. (Previously presented) The method of claim 103 wherein the multimedia function further includes applying a face detection function to the time-based media data.
106. (Previously presented) The method of claim 103 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
107. (Previously presented) The method of claim 106 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
108. (Previously presented) The method of claim 106 wherein the multimedia function includes applying a face detection function to the time-based media data.

109. (Previously presented) The method of claim 78 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.
110. (Previously presented) The method of claim 109 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.
111. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.
112. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a visual inspection function to the time-based media data.